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<u>L2</u>	(sulfonate or sulfate or phosphate)and (\$glycol or \$diol)	207407	<u>L2</u>
<u>L1</u>	(sulfonate or sulfate or phosphate)	652454	<u>L1</u>

END OF SEARCH HISTORY

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(L5) Entry 1 of 3

File: PGPB

Oct 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020146382

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020146382 A1

TITLE: Silylated polyurethane-urea compositions for use in cosmetic applications

PUBLICATION-DATE: October 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Mallo, Richard A.	Woodbury	MN	US	
Kantner, Steven S.	St. Paul	MN	US	
Lewandowski, Kevin M.	Inver Grove Heights	MN	US	
Krepski, Larry R.	White Bear Lake	MN	US	

US-CL-CURRENT: 424/70.122; 528/28

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC
Draw Desc	Image										

 2. Document ID: US 6605666 B1

(L5) Entry 2 of 3

File: USPT

Aug 12, 2003

US-PAT-NO: 6605666

DOCUMENT-IDENTIFIER: US 6605666 B1

TITLE: Polyurethane film-forming dispersions in alcohol-water system

DATE-ISSUED: August 12, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Scholz; Matthew T.	Woodbury	MN		
Kantner; Steven S.	St. Paul	MN		
Comstock; Kristen L.	St. Paul	MN		
Brown; Christopher J.	New Brighton	MN		

US-CL-CURRENT: 524/591; 128/849, 128/850, 424/78.02, 424/78.03, 424/78.37, 427/2.1,
524/839, 524/840, 528/71

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC
Draw Desc	Image										

At Unit: 1711

Application No.: 09/244770

At Unit: 1711

Application/Control Number: 09/244,770

Page 2

The reply brief, the amendment and the request for oral hearing all filed 10 Jun 2003 have been entered and considered. The application has been

forwarded to the Board of Patent Appeals and Interferences for decision on the appeal.

3. Document ID: US 6433073 B1

L5: Entry 3 of 3

File: USPT

Aug 13, 2002

US-PAT-NO: 6433073

DOCUMENT-IDENTIFIER: US 6433073 B1

TITLE: Polyurethane dispersion in alcohol-water system

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kantner; Steven S.	St. Paul	MN		
Scholz; Matthew T.	Woodbury	MN		
Lewandowski; Kevin M.	Inver Grove Heights	MN		

US-CL-CURRENT: 524/591; 424/401, 424/405, 424/59, 424/61, 424/63, 424/64, 424/69,
424/70.1, 424/70.11, 424/70.7, 424/78.37, 524/839, 524/840, 528/71

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWMC
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Term	Documents
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SULFONATES	34888
SULPHONATE	35768
SULPHONATES	10998
SULFATE	278517
SULPHATES	19247
SULPHATE	125172
SULFATES	51087
PHOSPHATE	339220
PHOSPHATES	72977
POLYTETRAMETHYLENE	10278
((SULFONATE OR SULFATE OR PHOSPHATE) NEAR (POLYTETRAMETHYLENE GLYCOL OR POLYESTERDIOL)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	3

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L5: Entry 1 of 3

File: PGPB

Oct 10, 2002

DOCUMENT-IDENTIFIER: US 20020146382 A1

TITLE: Silylated polyurethane-urea compositions for use in cosmetic applications

Summary of Invention Paragraph (57):

[0052] The anionic stabilizer used in the present invention can be present on either the isocyanate component or the polyol component. Typically, and most conveniently, the anionic stabilizer is present as the polyol component. The anionic group can be sulfonate, phosphonate, phosphate, and carboxylate but is preferably either sulfonate or carboxylate and most preferably a sulfonate. The most preferred sulfonates are the sulfonated polyols described in U.S. Pat. No. 4,738,992 (Larson et al.). Particularly preferred sulfonates are polyesterdiols having the following structure: 1



US006004668A

United States Patent [19]
Deaner et al.

[11] Patent Number: 6,004,668
[45] Date of Patent: Dec. 21, 1999

[54] ADVANCED POLYMER WOOD COMPOSITE

[75] Inventors: Michael J. Deaner, Osceola, Wis.; Giuseppe Puppin, Bayport; Kurt E. Heikkila, Circle Pines, both of Minn.

[73] Assignee: Andersen Corporation, Bayport, Minn.

[21] Appl. No.: 09/178,953

[22] Filed: Oct. 26, 1998

Related U.S. Application Data

[63] Continuation of application No. 08/543,959, Oct. 17, 1995, Pat. No. 5,827,607, which is a continuation of application No. 08/224,396, Apr. 7, 1994, abandoned, which is a continuation of application No. 07/938,364, Aug. 31, 1992, abandoned.

[51] Int. Cl.⁶ B32B 5/16

[52] U.S. Cl. 428/326; 428/359; 428/361; 428/378; 428/393; 428/332; 428/407; 428/402; 428/507; 428/510; 428/511; 428/514; 523/222; 524/13; 524/14; 524/551

[58] Field of Search 524/13, 14, 16, 524/34, 551, 567, 908; 523/222; 428/402, 407, 507, 510, 511, 514, 573, 375, 361, 393, 326

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Primary Examiner—William Krynski

Assistant Examiner—J. M. Gray

Attorney, Agent, or Firm—Merchant & Gould P.C.

[57]

ABSTRACT

A composition in the form of pellets comprising a thermoplastic and wood fiber composite material suitable for forming structural members as a replacement for wood in the manufacture of doors and windows. The composite has less than about 10 wt % water based on pellet weight and a Young's modulus of at least about 500,000. Structural members are typically formed from the composite in an extrusion or an injection molding process.

39 Claims, No Drawings

The logo consists of the word "WEST" in a bold, sans-serif font, centered within a horizontal bar that has a dotted pattern on its left and right sides.**End of Result Set** Generate Collection  Print

L5: Entry 3 of 3

File: USPT

Aug 13, 2002

DOCUMENT-IDENTIFIER: US 6433073 B1

TITLE: Polyurethane dispersion in alcohol-water system

Brief Summary Text (48):

The anionic stabilizer used in the present invention can be present on either the isocyanate component or the polyol component. Typically, and most conveniently, the anionic stabilizer is present as the polyol component. The anionic group can be sulfonate, phosphonate, phosphate, and carboxylate but is preferably either sulfonate or carboxylate and most preferably a sulfonate. The most preferred sulfonates are the sulfonated polyols described in U.S. Pat. No. 4,738,992 (Larson et al.). Particularly preferred sulfonates are polyesterdiols having the following structure: ##STR1##

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